Creative Enzymes®

cholesterol-5,6-oxide hydrolase

Cat. No. EXWM-3996

Lot. No. (See product label)

Introduction

Description	The enzyme appears to work equally well with either epoxide as substrate. The product is a competitive inhibitor of the reaction. In vertebrates, five epoxide-hydrolase enzymes have been identified to date: EC 3.3.2.6 (leukotriene-A4 hydrolase), EC 3.3.2.7 (hepoxilin-epoxide hydrolase), EC 3.3.2.9 (microsomal epoxide hydrolase), EC 3.3.2.10 (soluble epoxide hydrolase) and EC 3.3.2.11 (cholesterol 5,6-oxide hydrolase).
Synonyms	cholesterol-epoxide hydrolase; ChEH

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.3.2.11
Reaction	(1) 5,6α-epoxy-5α-cholestan-3β-ol + H2O = 5α-cholestane-3β,5α,6β-triol; (2) 5,6β-epoxy-5β-cholestan-3β-ol + H2O = 5α-cholestane-3β,5α,6β-triol
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.